

2011 LUMIX® G SERIES

DMC-GH2K DSL Micro

Four Thirds Digital Camera



ADVANCED 3.0" FREE-ANGLE TOUCH-CONTROL LCD

An intuitive way to capture high/low angle shots and control camera shutter settings with just a touch of your finger.



PROFESSIONAL LEVEL MOVIE RECORDING

Create beautiful Full HD movies in 1080/60i and 24fps formats.

3D LENS COMPATIBLE

Captures breathtaking 3D images with the interchangeable LUMIX 3D lens.

LIGHTWEIGHT AND COMPACT MICRO BODY DESIGN

Easy to carry and use almost anywhere you go.

- Advanced Compact Hybrid (Still/Video) Mirrorless Micro DSL Body
- Advanced 3.0" Free-Angle LCD with Touch Control Features (460K)
- High Speed Triple CPU Processors (Venus Engine VI FHD), 23Mbps bit rate
- High-Speed Burst – 5fps (16MP) or 40fps Elec. Shutter and Auto Bracket Mode
- Over 10 Interchangeable LUMIX Lens Options to Choose from
- 1.53 mil-dot equiv. Live View Finder with Eye Sensor (0.71x)
- 16 MP Live MOS Sensor Resolution with Intelligent Resolution (iR) Feature
- 3D Stills Lens Ready
- High Definition Full 1080/60i Movie Recording (DVD Ready AVCHD Format)
- 24 fps Cini, Stop Motion, Slow or Quick Movie Capture Modes
- Built-in Stereo Sound Plus External Microphone Port
- High Dynamic Range, Intelligent Resolution, High 12800 ISO Features



At 3.5" tall by 4.9" wide, the GH2 is more compact than standard DSLRs.



New-Generation System Cameras



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DMC-GH2K DSL Micro Four Thirds Digital Camera

TYPE				
Type	Digital interchangeable lens system camera			
Recording Media	SD memory card, SDHC memory card, SDXC memory card			
Image Sensor Size	17.3 x 13.0 mm (in 4:3 aspect ratio)			
Lens Mount	Micro Four Thirds mount			
IMAGE SENSOR				
Type	Live MOS Sensor			
Total Pixels	18.31 Megapixels			
Camera Effective Pixels	16.05 Megapixels			
Color Filter	Primary color filter			
Dust Reduction System	Supersonic wave filter			
RECORDING SYSTEM				
Recording File Format	Still Image: JPEG(DCF, Exif 2.3), RAW, MPO (When attaching 3D lens in Micro Four Thirds standard) Motion Image: AVCHD / QuickTime Motion JPEG			
Aspect Ratio	4:3, 3:2, 16:9, 1:1 (Multi-aspect recording except 1:1)			
Image Quality	RAW, RAW+Fine, RAW+Standard, Fine, Standard, MPO+Fine, MPO+Standard (with 3D lens in Micro Four Thirds standard)			
Color Space	sRGB, Adobe RGB			
File Size (Pixels)	Still Image	[4:3] 4608 x 3456(L) / 3264 x 2448(M) / 2336 x 1752(S) / 1920 x 1440 (When attaching 3D lens in Micro Four Third System standard)		
		[3:2] 4752 x 3168(L) / 3360 x 2240(M) / 2400 x 1600(S) / 1920 x 1280 (When attaching 3D lens in Micro Four Third System standard)		
		[16:9] 4976 x 2800(L) / 3520 x 1980(M) / 1920 x 1080(S) / 1920 x 1080 (When attaching 3D lens in Micro Four Third System standard)		
		[1:1] 3456 x 3456(L) / 2448 x 2448(M) / 1744 x 1744(S) / 1792 x 1792 (When attaching 3D lens in Micro Four Third System standard)		
	Motion Image	Motion JPEG	[4:3] QVGA: 320 x 240, 30fps / VGA: 640 x 480, 30fps	
			[16:9] WVGA: 848 x 480, 30fps	
			[HD] 1280 x 720, 30fps	
		AVCHD*2	NTSC	[Full HD] 1920 x 1080, 24p 24H:24Mbps, 24L:17Mbps
				[Full HD] 1920 x 1080, 60i (sensor output is 60p) (FSH:17Mbps, FH:13Mbps)
			PAL	[HD] 1280 x 720, 60p (sensor output is 60p) (SH:17Mbps, H:13Mbps)
		[Full HD] 1920 x 1080, 24p (24H:24Mbps, 24L:17Mbps)		
		[Full HD] 1920 x 1080, 50i (sensor output is 50p) (FSH:17Mbps, FH:13Mbps)		
		[HD] 1280 x 720, 50p (sensor output is 50p) (SH:17Mbps, H:13Mbps)		
Continuous Recordable Time (Motion Images)	AVCHD with picture quality set to [FSH]: Approx. 120 min with H-FS014042 / Approx. 110 min with H-VS014140 Motion JPEG with picture quality set to [FSH]: Approx. 130 min with H-FS014042 / Approx. 120 min with H-VS014140			
Actual Recordable Time (Motion Images)	AVCHD with picture quality set to [FSH]: Approx. 70 min with H-FS014042 / Approx. 65 min with H-VS014140 Motion JPEG with picture quality set to [HD]: Approx. 75 min with H-FS014042 / Approx. 70 min with H-VS014140			
VIEWFINDER				
Type	Live View Finder (1,533,600 dots equivalent)			
Field of View	Approx. 100%			
Magnification	Approx. 1.42x / 0.71x (35mm camera equivalent) with 50mm lens at infinity, -1.0 m-1			
Eye Point	Approx.17.5mm at -1.0 m-1			
Diopter Adjustment	-4.0→+4.0 dpt			
Auto Eye Sensor	Yes			
FOCUS				
Type	Contrast AF system			
Focus Mode	AFS/ AFC/ MF			
AF Mode	Face detection / AF Tracking / 23-area-focusing / 1-area-focusing			
AF Detectable Range	Touch (1-area-focusing in Face detection / AF Tracking / Multi-area-focusing / 1-area-focusing)			
AF Assist Lamp	EV 0-18			
AF Lock	YES			
Others	AF/AE LOCK button or Shutter button halfway pressed in AFs mode			
EXPOSURE CONTROL				
Light Metering System	144-zone multi-pattern sensing system			
Light Metering Mode	Intelligent Multiple / Center Weighted / Spot			
Metering Range	EV 0-18			
Exposure Mode	Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Auto			
ISO Sensitivity (Standard Output Sensitivity)	Auto / Intelligent ISO / 160 / 200 / 250 / 320 / 400 / 400 / 500/ 640 / 800 / 1000 / 1250 / 1600 / 2000 / 2500 / 3200 / 4000 / 5000 / 6400 / 8000 / 10000 / 12800 /			
Exposure Compensation	1/3EV Step ±5EV			
AE Lock	AF/AE LOCK button or Shutter button halfway pressed			
AE Bracket	3,5,7 frame, in 1/3, 2/3 or 1 EV Step, ±3 EV			
WHITE BALANCE				
White Balance	Auto / Daylight / Cloudy / Shade / Halogen / Flash / White Set 1, 2, 3, 4 / Color temperature setting			
White Balance Adjustment	Blue/amber bias, Magenta/green bias			
Color Temperature Setting	2500-10000K in 100K			
White Balance Bracket	3 exposures in blue/amber axis or in magenta/green axis			
SHUTTER				
Type	Focal-plane shutter			
Shutter Speed	Still Images: 1/4000 ~ 60 and Bulb (up to approx. 2 minutes)			
Self Timer	10sec, 3 images/ 2sec / 10sec			
Remote Control	Remote control with bulb function by DMW-RSL1 (Optional)			

*1 Use a card with SD Speed Class with "Class6" or higher

*2 Use a card with SD Speed Class with "Class4" or higher

SCENE MODE	
Still Image SCN Mode	Portrait (Normal/ Soft Skin/ Outdoor/ Indoor/ Creative)/ Scenery (Normal/ Nature/ Architecture/ Creative/ Close-up (Flower/ Food/ Objects/ Creative)/ SCN (Peripheral Defocus/ Night Portrait/ Night Scenery/ Sunset/ Party/ Sports/ Baby 1,2/ Pet)
Movie SCN Mode	Portrait (Normal/ Soft Skin/ Outdoor/ Indoor/ Creative)/ Scenery (Normal/ Nature/ Architecture/ Creative/ Close-up (Flower/ Food/ Objects/ Creative)/ SCN (Peripheral Defocus/ Night Portrait/ Night Scenery/ Sunset/ Party/ Sports/ Baby 1,2/ Pet), (Activated by selecting Still Image SCN mode then pressing Movie Button. Still Image SCN modes without corresponding Movie SCN mode is recorded in mode suitable for the recording situation.)
MY COLOR MODE	
My Color Mode	(Still image & Movie) Expressive/ Retro/ Pure/ Elegant/ Monochrome/ Dynamic Art/ Silhouette/ Custom (Color/ Brightness/ Saturation/ adjustable)
BURST SHOOTING	
Burst Speed	H: 3.2 frames/sec, M: 2.6 frames/sec (with Live View), L: 2 frames/sec (with Live View)
Number of Recordable Images	7 images (when there are RAW files with the particular speed) Unlimited consecutive shooting (when there are no RAW files) (depending on memory card size, battery power, picture size, and compression)
BUILT-IN-FLASH	
Type	TTL Built-in-Flash, GN15.6 equivalent (ISO 200 m), Built-in Pop-up
Flash Mode	Auto, Auto/Red-eye Reduction, Forced On, Forced On/Red-eye Reduction, Slow Sync., Slow Sync./Red-eye Reduction, Forced Off
Synchronization Speed	Less than 1/160 second
Flash Output Adjustment	1/3EV Step ±2EV
Flash Synchronization	1st. Curtain Sync, 2nd Curtain Sync.
Hot Shoe	TTL Auto with FL220/FL360/FL500(Optional)
LCD MONITOR	
Type	TFT LCD with Touch panel
Monitor Size	Free-angle 3.0inch / 3:2 Aspect / Wide viewing angle
Pixels	460K dots
Field of View	Approx. 100%
Monitor Adjustment	Brightness (7 levels), Color (7 levels)
LCD Mode	Off / Auto Power LCD / Power LCD
LIVE VIEW	
Digital Zoom	2x, 4x
Extra Optical Zoom	Still image: Max.2x, Motion image: Max.4.8x, (Not effective with L size recording. Magnification ratio depends on the recording pixels and aspect ratio.)
Other Functions	Guide Lines (3 patterns) Real-time Histogram
FILM MODE	
Color	Standard / Dynamic / Smooth / Nature / Nostalgic / Vibrant
Black and White	Standard / Dynamic / Smooth
Others	My Film1 / My Film2 / Multi Film / Cinema
PLAYBACK	
Playback Mode	Normal playback, 30-thumbnail display, 12-thumbnail display, Calendar display, Zoomed playback (16x Max.), Slideshow (duration & effect is selectable), Playback Mode (Normal/Picture/ AVCHD/Motion JPEG/3D Play/Category/Favorite), Title Edit, Text Stamp, Video Divide, Resize, Cropping, Aspect Conversion, Rotate, Rotate Display, Favorite, Print Set, Protect, Face Rec Edit
IMAGE PROTECTION / ERASE	
Protection	Single / Multi or Cancel
Erase	Single / Multi / All / Except Favorite
PRINT	
Direct Print	PictBridge compatible (Print size, Layout, Date setting is selectable)
INTERFACE	
USB	USB 2.0 High Speed
HDMI	miniHDMI TypeC, Video: Auto / 1080i / 720p / 480p (576p in PAL system), Audio: Dolby® Digital Stereo Creator
Audio Video Output	Stereo Type, NTSC, NTSC only for North America *Check the website of the Panasonic sales company in your country or region for details on the products that are available in your market.
Remote / External Microphone Input	2.5mm. stereo mini jack
Built-in Microphone	Stereo, Wind-cut: Off / Low / Standard / High
Speaker	Monaural
LANGUAGE	
OSD Language	English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese (Traditional), Chinese (Simplified), Dutch, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Danish, Finnish, Greek. *Check the website of the Panasonic sales company in your country or region for details on the OSD languages on the products that are available in your market.
POWER	
Battery	ID-Security Li-ion Battery Pack (7.2V, 1200mAh) (Included), Battery Charger
Battery Life (CIPA standard)	Approx. 330 images (LCD), Approx. 340 images (LVF) with H-FS014042, Approx. 320 images (LCD), Approx. 330 images (LVF) with H-VS014140
DIMENSIONS / WEIGHT	
Dimensions (W x H x D)	124 x 89.6 x 75.8mm / 4.88 x 3.53 x 2.98 in (excluding protrusions)
Weight	Approx. 609g / 1.34 oz SD card, Battery, (14-42mm lens included), Approx. 904g / 1.99 oz SD card, Battery, (14-140mm lens included), Approx. 392g / 0.86 oz Body only
OPERATING ENVIRONMENT	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 80%
STANDARD ACCESSORIES	
Software	PHOTOfunSTUDIO 6.0 BD Edition, SILKPIX® Developer Studio 3.1, SE QuickTime™, USB Driver
Standard Accessories	Battery Charger, Battery Pack, Body Cap, AV Cable, USB Connection Cable, Shoulder Strap, Stylus pen, CD-ROM